

ARENT FOX PLLC

### Declaration For U.S. Patent Application

| My residenc<br>I believe I a  | e, post<br>in the e<br>sted bel            | original, first and<br>ow) of the subject   | citizenship are as s<br>sole inventor (if or<br>matter, which is cla                        | aly one name is li-<br>simed and for which   | ne.<br>ted below) or an original,<br>h a patent is sought on the<br>ULTI-LAYERED CORE/  | invention entit  | leđ   | lural          |
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| the specifica   |  |   | hereto unless the fol   |  |   |  |   |                |
| ⊠ wa  | as filed                                   |   |   |  | As PCT International Ap   | plication  |   |                |
|   | umber<br>As filed (                        | - March 15 (  |   | was amended on   |   |  |   |                |
|   | is meer                                    | on <u>March 15, 2</u><br>10/800,033   |   | was amended on   | As U.S. Patent Applicati  | OI   |   |                |
| by any amer<br>I acknowled<br>I hereby cla<br>certificate, o<br>below and h | ge the d<br>im fore<br>or §365<br>ave also | referred to above,<br>uty to disclose inf<br>ign priority benef<br>(a) of any PCT I<br>o identified below | ormation which is notes under 35 U.S.C.   | ontents of the above<br>naterial to patentah<br>. S119(a)-(d) or S<br>tion which designation for patent or i | identified specification, it is a defined in 37 C.F.I. 365(b) of any foreign applied at least one country of eventor's certificate or PC                | R. §1.56.<br>lication(s) for the than the t<br>T International | patent or inven<br>Inited States, I<br>Application ha | ior's          |
|   |  |   |   |  |   | Priority C   | Laimed<br>No  |                |
| (List prior   | (N   | umber)  | (Country)   | (Day   | /Month/Year Filed)  | ☐ 163  | □ 140   |                |
| forcign<br>applications   | •  |   |   |  |   | Yes Yes  | ☐ No  |                |
|   | (Ni  | umber)  | (Соингу)  | (Day   | /Month/Year Filed)  | ☐ Yes  | □ No  |                |
|   | (N   | umber)  | (County)  | (Da)   | /Month/Year Filed)  |  |   |                |
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| (List prior U.S.<br>Applications or   |  | (Application S  | rial Number)  | (Filing Date)  | (Statue) (  | patented, pendi  | no shondaned)   | -              |
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| applications<br>designating the   | V.S.)                                      | (Application Se   | riai Number)  | (Filing Date)  | (Status) (J   | palented, pendi  | ng, abandoned)  | 1              |
| And I here practitioners follows:   | by appo                                    | oint the firm of osecute this appli   | ARENT FOX PL  | LC, Customer Nu<br>act all business in   | mber <b>604372</b> , including the Patent and Tradema   | at least the f<br>ark Office con                               | ollowing regis  | tered<br>th as |
| ÇI  | hesser, '                                  | Richard J., Reg. N<br>Wilbum, Reg. No.<br>Christopher, Reg.<br>and of                                     | 41,668<br>No. 39,786  | Marn<br>Oran   | lak, Brik, Reg. No. 39,936<br>kelstein, Charles M., Reg. 1<br>, George E., Jr., Reg. No. 2<br>rith Customer Number 004                                  | 27,931   |   |                |
| Please direc  | t all cor                                  | nmunications to th  | e following address   | ARENT FOX<br>1050 Connection<br>Washington, D  | PLLC<br>au Avenue, NW, Suite 400  |  | (202) 638-4810  | )              |

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| Full name of fourth inventor You    | shiya FUJIWARA  |   |                        |               |
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| Full name of fifth inventor         | H. ADAIR        |   |                        |               |
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| Full name of sixth inventor                      | <u> </u>                              |
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| Full name of seventh inventor Kishore SRINIVASAN |                                       |
| Inventor's signature                             |                                       |
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|  |                                       |

ARENT FOX PLLC

## Declaration For U.S. Patent Application

|   |  |  |  |  | ULTI-LAYER  |  |  |   |
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| he specificati  | on of which is a   | ttached hereto unless  | the following box  | x is chec  | ked:  |  |  |   |
| 🛛 was   | filed on   |  |  |  | As PCT Inter  | national Appl  | ication  |   |
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| by any amend<br>acknowledge<br>hereby clair<br>certificate, or<br>below and ha  | ment referred to<br>the duty to dis<br>n foreign priori<br>§365(a) of any<br>ve also identifie   | close information whi<br>ity benefits under 35<br>y PCT International a<br>d below any foreign a   | ich is material to<br>U.S.C. \$119(a)-<br>application which<br>application for pa  | patentabi<br>(d) or \$3<br>designa-<br>dent or in  | lity as defined<br>365(b) of any t<br>ted at least on   | in 37 C.F.R.<br>foreign applic   | \$1.56.<br>ation(s) for<br>er than the   | patent or inveni<br>United States, li   |
| i liling date b   | elore that of the  | application(s) for wh  | iten priority is cu  | aimea:   |   |  | Priority C   | laimed  |
|   |  |  |  |  |   |  | ☐ Yes  |   |
| (Lias prior<br>foreign<br>applications)   | (Number)   | (Cou   | ntry)  |  | /Month/Year I   | ·  | ☐ Yes  | ☐ No  |
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|   | (Blumban)  | /Com   | חנדץ)  | /Day   | /Month/Year I   | Zil-d\   | Yes  | ☐ No  |
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|   | 60/47  | ication Number)<br>7,150   |  | (Filing<br>June 9,   | 2003  |  |  |   |
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| designating (<br>disclosed in t<br>duty to discle<br>date of the pr<br>(List prior U.S.   | m the benefit we he United State the prior applies ose information for application (Application  | See attached list adder 35 U.S.C. \$120 s of America listed by thion(s) (U.S. or PCT) which is material to and the national or PC  | of any United Stelow and, insofar<br>) in the manner p<br>patentability as d<br>T International f  | or foreig<br>tates appl<br>r as the s<br>rovided in<br>efined in<br>filing date  | n or provisions ication(s) or S subject matter by the first par 37 C.F.R. \$1   | 365(c) of any of each of the agraph of 35, .56 which becation.   | PCT International Color of the U.S.C. \$11: arme available tented, pend  | ns application to 2. I acknowledge to between the   |
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| designating to disclosed in to duty to disclode date of the process of the practitioners follows:  Be Ct.      | m the benefit we he United State he prior application for application (Appl. (Appl. ).s.)  by appoint the to prosecute rman, Richard lesser, Wilburn,  | See attached list ader 35 U.S.C. \$120 s of America listed b attion(s) (U.S. or PCT) which is material to and the national or PC ication Serial Number ication Serial Number | of any United Stelow and, insofar in the manuer propagate and in the state of | ior foreign tates apply as the servided la finding date apply appl | ication(s) or Stubject matter of the first para 37 C.F.R. \$1 to of this application of the Patent and the Paten | 365(c) of any of each of the agraph of 35, 36 which becation.  (Status) (pa (Status) (pa including a and Trademark No. 39,936 es M., Reg. No. 27 | PCT Internations of the U.S.C. \$11: ame available tented, pend tented, pend tented, pend to least the k Office con to 25,895  | ns application (2, 1 acknowledged between the ling, abandoned ling, abandoned following regis     |

| Inventor's signature 🔔  |                                       | Date          |
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| Residence               |                                       | Date          |
| Citizenship             |                                       |               |
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| Full name of second in  | rentor Terumi FURUTA                  |               |
|                         | Terumir Furnita                       | Dec. 7 120    |
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| Full name of third inve | ntor Hajime GOTO                      |               |
|                         | 21 24                                 | 700 7 100 is  |
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| -                       | Wako-shi, Saitama-ken, Japan          |               |
| Full name of fourth in  | ventor Yoshiya FUJIWARA               |               |
|                         |                                       |               |
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| Full name of fifth inve | attor James H. ADAIR                  |               |
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| Full name of seventh inventor Kishore SRINIVASAN   |      |
|  | Pole |
| Inventor's signature   | Date |
| Full name of seventh inventor Kishore SRINIVASAN  Inventor's signature  Residence  Citizenship | Date |



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| nd/or  | was file  | d on  | March 15, 20  | 04   |  | As U.S. Patent A   | pplication                                      |   |   |     |
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| y any an<br>acknowl<br>hereby<br>ertificate<br>selow and | nendmen<br>edge the<br>claim for<br>e, or \$3<br>i have a | nt refe<br>e duty<br>oreign<br>165(a)<br>diso ide | rred to above,<br>to disclose infor<br>priority benefits<br>of any PCT Intentified below as | understand the conte<br>mation which is mate<br>a under 35 U.S.C. §<br>emational application<br>by foreign application<br>on(s) for which priori | rial to patentab<br>119(a)-(d) or S<br>which designa<br>for patent or it | lity as defined in 3'<br>365(b) of any forei                       | 7 C.F.R. 5: ign applicati untry other or PCT In | 1.56.<br>on(s) for<br>than the U<br>ternational | patent or inventor<br>United States, list<br>Application havi | r's |
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|  | _   |   |   |  |  |  | <del></del>                                     | Yes   | ∐ No  |     |
|  |   | (Numl   | per)  | (Country)  | (Day   | /Month/Year Filed  | 1)  |   |   |     |
|  |   |   | 50/455,368<br>Application No<br>50/477,150<br>Application No                                | nmber)   | March (Filing June 9, (Filing onal prior foreig                          | 14, 2003<br>Date)<br>2003<br>Date)<br>n or provisional ap          | plications.                                     |   | ·   | •   |
| designati<br>disclosed                                   | ng the l<br>in the process                                | United<br>prior a                                 | States of Amer pplication(s) (U   | S.C. \$120 of any Unica listed below and, S. or PCT) in the manaterial to patentabilitional or PCT Interna                                       | insofar as the s<br>inner provided b<br>ty as defined in                 | ubject matter of ea<br>by the first paragrap<br>37 C.F.R. \$1.56 v | on of the ci<br>ph of 35, U<br>which becan      | S.C. \$117                                      | 2. I acknowledge  | th  |
| (List prior I<br>Application                             | s or  | -   | (Application Ser  | ial Number)  | (Filing Date)  | <u>(S</u>  | tatus) (pater                                   | nted, pend                                      | ing, abandoned)   |     |
| PCT Interna<br>applications<br>designating               | I   |   | Application Ser   | ial Number)  | (Filing Date)  | <u>(S</u>  | tatus) (pater                                   | nted, pend                                      | ing, abandoned)   |     |
| And I h<br>practition<br>follows:                        | ereby a   | appoin<br>prose                                   | t the firm of a   | ARENT FOX PLLO<br>ation and to transac   | Customer No.   | umber 004372, inc<br>n the Patent and 1                            | cluding at<br>Trademark                         | least the<br>Office con                         | following registe<br>nnected therewith                        | J.C |
|  | Berma   | n. Ric  | hard J., Reg. No  | . 39,107   | Çher   | dak, Erik, Reg. No.  | . 39,936  |   |   |     |
|  |   |   | burn, Reg. No.  |  | Mari   | ncistein, Charles M  | I., Reg. No.                                    | 25,895  |   |     |
|  | Murp  | hy, Çh  | ristopher, Reg. 1<br>and oth  | lo. 39,786<br>er registered practitio  | Oran<br>ners associated  | n, George E., Jr., Re<br>with Customer Num                         | eg. No. 27,9<br>hber 004372                     | 31  |   |     |
| Please di  | rect all  | comm  | unications to the   | e following address:   | Washington T   |  |   | e Number  | · (202) 638-4810  |     |

| Full name of sole or first inventor Peter C. EKLUND |                 |
|---|-----------------|
| Inventor's signature                                | Date            |
| Residence   | Date            |
| Citizenship   |                 |
| Post Office Address                                 |                 |
| Full name of second inventor Terumi FURUTA          |                 |
| Inventor's signature                                | Date            |
| Residence   | ****            |
| Citizenship   |                 |
| Post Office Address                                 |                 |
| Full name of third inventor Hajime GOTO             |                 |
| Inventor's signature                                | Date            |
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| Full name of fourth inventor Yoshiya FUJIWARA       |                 |
| Inventor's signature                                | 12/6/04<br>Date |
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| Citizenship TADAN                                   |                 |
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| Full name of fifth inventor                         | <u>'</u>        |
| Inventor's signature                                | Date            |
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| Citizenship   |                 |
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| Full name of sixth inventor Jennifer A. NELSON   |      |
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| Inventor's signature                             | Date |
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| Citizenship                                      |      |
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| Full name of seventh inventor Kishore SRINIVASAN |      |
| Inventor's signature                             | Date |
| Residence  | 240  |
| Citizenship                                      |      |
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## BEST AVAILABLE COPY

Docket Number 025756-000

ARENT FOX PLLC

# Declaration For U.S. Patent Application As a below named inventor, I hereby declare that: My residence, nest office address that:

| I DENIC  | ve i am                               | the original, first an  | nd citizenship are as su<br>d sole inventor (if onl   | v one name is li   | rted helour) or on   | original, first and is   | ont inventor (if plural  |
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| Hantes   | are listed                            | i neina) of the stible  | ot matter, which is claim   | med and for which  | th a patent is sough   | ht on the invention or   | dittod   |
| the spe  | cification                            | of which is attached  | hereto unless the follo   | owing box is chec  | ked:   |  |  |
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| and/or   | 1                                     | led on March 15,  |   | as amended on  | As U.S. Patent   | Application  | <del> </del>   |
|  | Numb                                  |   |   | as amended on  |  | PP   | <u> </u>   |
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|  | _                                     |   | ·   |  |  | Priority   | Claimed  |
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|  | rnational                             | (Application S  |   | (Filing Date)  |  | tatus) (patented, pen  |  |
| esignati<br>Příjcatio                                  | ns<br>ng the U.S.)                    | (Application S  | crial Number)   | (Filing Date)  | (S   | latus) (patented, pen  | ding, abandoned)   |
| and I<br>rectific                                      | oners, to                             | ppoint the firm of prosecute this appl  | ARENT FOX PLLO  | Customer Nur<br>t all business in  | nber 004372, inc<br>the Patent and 7   | cluding at least the<br>Trademark Office co  | following registered<br>nnected therewith as                               |
|  | Chesse                                | m, Richard J., Reg. No<br>er, Wilburn, Reg. No<br>ey, Christopher, Reg.<br>and o                                      | 41,668  | Marm<br>Oram,  | George E., Jr., Re   | ., Reg. No. 25,895<br>g. No. 27,931  |  |
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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TECH/251661.1

Docket Number 025756-000

#### For U.S. Patent Application

As a below named inventor, I hereby declare that:
My residence, post office address and citizenship are as stated below my name.
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter, which is claimed and for which a patent is sought on the invention entitled HYDROGEN STORAGE MATERIAL BASED ON A MULTI-LAYERED CORE/SHELL STRUCTURE the specification of which is attached hereto unless the following box is checked: was filed on As PCT International Application Number and was amended on was filed on As U.S. Patent Application and/or March 15, 2004 10/800,033 Number and was amended on I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. \$1.56.

I hereby claim foreign priority benefits under 35 U.S.C. \$119(a)-(d) or \$365(b) of any foreign application(s) for patent or inventor's certificate, or \$365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate or PCT International Application having a filing date before that of the application(s) for which priority is claimed: Priority Claimed Yes No (List prior (Number) (Country) (Day/Month/Year Filed) foreign ☐ Yes ☐ No applications) (Number) (Country) (Day/Month/Year Filed) ☐ Yes ☐ No (Number) (Country) (Day/Month/Year Filed) I hereby claim the benefit under 35 U.S.C. S119(e) of any United States provisional application(s) listed below. 60/455,368 March 14, 2003 (Application Number) 60/477,150 (Filing Date) June 9, 2003 (Application Number) (Piling Date) See attached list for additional prior foreign or provisional applications. I hereby claim the benefit under 35 U.S.C. \$120 of any United States application(s) or \$365(c) of any PCT International application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior application(s) (U.S. or PCT) in the manner provided by the first paragraph of 35, U.S.C. \$112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. \$1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application. (List prior U.S. Applications or (Filing Date) (Status) (patented, pending, abandoned) (Application Serial Number) PCT International applications (Application Serial Number) (Filing Date) (Status) (patented, pending, abandoned) designating the U.S.) And I hereby appoint the firm of ARENT FOX PLLC, Customer Number 004372, including at least the following registered practitioners, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith as follows:

Berman, Richard J., Reg. No. 39,107 Chesser, Wilburn, Reg. No. 41,668 Murphy, Christopher, Reg. No. 39,786

Cherdak, Brik, Reg. No. 39,936 Marmelstein, Charles M., Reg. No. 25,895 Oram, George E., Jr., Reg. No. 27,931 and other registered practitioners associated with Customer Number 004372

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